



Nucleotide

PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIMO	Boo
Search Nu	icleotide 🔽 fo	or				!Go	Clear	
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Display		Save Text	0 2 2 4	- Olleh serai				
Display	default 🔻	Save Text	Addi	o Clipboard				

☐ 1: D83493. Human MnSOD gene,...[gi:1841351]

Related Sequences, Protein, PubMed, Taxonomy

```
LOCUS
            D83493
                                      418 bp
                                                DNA
                                                         linear
                                                                  PRI 14-APR-2000
            Human MnSOD gene, mitochondrial targetting sequence, partial cds.
DEFINITION
ACCESSION
            D83493
VERSION
            D83493.1 GI:1841351
KEYWORDS
            Mn-superoxide dismutase; mitochondrial targetting sequence; MTS.
SOURCE
            Homo sapiens DNA.
  ORGANISM
            Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
               (sites)
 AUTHORS
            Shimoda-Matsubayashi, S., Matsumine, H., Kobayashi, T.,
            Nakagawa-Hattori, Y., Shimizu, Y. and Mizuno, Y.
  TITLE
            Structural dimorphism in the mitochondrial targeting sequence in
            the human manganese superoxide dismutase gene. A predictive
            evidence for conformational change to influence mitochondrial
            transport and a study of allelic association in Parkinson's disease
  JOURNAL
            Biochem. Biophys. Res. Commun. 226 (2), 561-565 (1996)
  MEDLINE
            96400297
  REMARK
            Erratum: [[published erratum appears in Biochem Biophys Res Commun
            1996 Dec 4;229(1):361]]
REFERENCE
               (bases 1 to 418)
            Matsumine, H.
 AUTHORS
  JOURNAL
            Unpublished (1996)
REFERENCE
               (bases 1 to 418)
 AUTHORS
            Matsumine, H.
            Direct Submission
  TITLE
  JOURNAL
            Submitted (10-FEB-1996) Hiroto Matsumine, Juntendo University
            School of Medicine, Dept. of Neurology; 2-1-1 Hongo, Bunkyo-ku,
            Tokyo 113, Japan (Tel:81-3-3813-3111, Fax:81-3-5684-0476)
FEATURES
                     Location/Qualifiers
    source
                     1..418
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                     mitochondrial targetting sequence"
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                     /codon start=1
                     /product="MnSOD precursor"
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                     /db xref="GI:1906310"
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                     46..327
     intron
                     /number=1
                     328..418
    exon
                     /number=2
    variation
                     351
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/note="diallelic polymorphism (Ala-9Val) in the MTS of
                     human MnSOD in a Japanese population"
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BASE COUNT
                 60 a
                         139 с
                                  165 g
ORIGIN
        1 cggtagcacc agcactagca gcatgttgag ccgggcagtg tgcgggtgag aagaaagggg
       61 acceggteac ggccccaagg gcgaaggggc tegeggggg cagggcctcc geggcaatgg
      121 cgacagtgge cgcaccgggc ctggcgggac cggggcacct gcaggcggtt ctcccgggag
      181 tgcccggcgc ggcggctgga gcggggatcc gcagggaggg gacgcgggga ctcgggggac
      241 geogegeget geogtteete ggeageeeag eetgegtaga eggteeeege ggegetgaet
      301 gaccgggctg tgctttctcg tcttcagcac cagcaggcag ctggctccgg ctttggggta
      361 tetgggetee aggeagaage acageeteee egacetgeee tacgactaeg gegeeetg
//
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Revised: October 24, 2001.

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